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Notice of Allowability	Application No.	Applicant(s)	
	09/942,392	DOWSKI, EDWARD	RAYMOND
	Examiner	Art Unit	
	Jack Dinh	2873	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
1. This communication is responsive to <u>05/10/04</u> .			
2. The allowed claim(s) is/are <u>1-21</u> .			
3. The drawings filed on 10 May 2004 are accepted by the Examiner.			
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have been received.			
2. Certified copies of the priority documents have been received in Application No			
 Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). 			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Lidentifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.			
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. Examiner's Stateme 9. Other Scory of Spennia EDPS	(PTO-413), e nent/Comment	
Supervisory Patent Examiner			
Technology Center 2800			

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REASONS FOR ALLOWANCE

1. Claims 1-9 are allowed in light of the Applicant's amendment and arguments. The following is a statement of the examiner's reasons for allowance. The present invention relates to improved Wavefront Coding Optics for controlling focus related aberrations, and methods for designing such Wavefront Coding Optics. Regarding independent claims 1, 16 and 19, the prior art fails to disclose an improved Wavefront Coding Optics having the characteristic that the central region of the applied phase profile is essentially constant, while the peripheral region of the phase profile have alternating increasing and decreasing phase relative to the central region. The claimed invention is therefore considered to be in condition for allowance as being novel and non-obvious over prior art.

2. The prior art taken either singly or in combination fails to anticipate or fairly suggest the limitations of the independent claims, in such a manner that a rejection under 35 USC 102 or 103 would be improper. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Other Information/Remarks

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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Cathey et al. (U.S. Patent 5,748,371), Cathey et al. (U.S. Patent 6,021,005), Cathey et al.

(U.S. Patent 6,069,738), Hammond (U.S. Patent 6,097,856), Dowski et al. (U.S. Patent

6,525,302), Dowski et al. (U.S. Patent Publication 2002/0195548), Dowski (U.S. Patent

Publication 2002/0196980), and Dowski et al. (U.S. Patent Publication 2003/0169944) disclose

systems related to Wavefront Coding.

Any inquiry concerning this communication or earlier communications from the 4.

examiner should be directed to Jack Dinh whose telephone number is 571-272-2327. The

examiner can normally be reached on M-F (9:30 AM - 6:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Georgia Y Epps can be reached on 571-272-2328. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jack Dinh

Georgia Epps Supervisory Patent Examiner

Technology Center 2800